

Automated Traffic Data Collection Report

MAY 2006



Washington State Department of Transportation

In cooperation with the
United States Department of Transportation
Federal Highway Administration

WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION

AUTOMATED TRAFFIC DATA COLLECTION REPORT

STRATEGIC PLANNING AND PROGRAMMING

TRANSPORTATION DATA OFFICE

HIGHWAY USAGE BRANCH

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MAY 2006

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EXECUTIVE SUMMARY

This report is based upon data that was processed through **TRansportation Information and Planning Support System** (TRIPS). The data is collected monthly from several sources; Automated Traffic Recorders (ATRs), the Washington State Ferry System and the Oregon State Department of Transportation. For the site to be considered for this report, the site had to be collecting data in the same month for three consecutive years. Processed data is compared collectively to same month during the previous two years to show a three-year trend. The comparative analysis before the report is based on four-year data trends.

RURAL

The vehicle volume for current month (May) has decreased from May 2005 by 0.71%, increased over May 2004 by 1.12% and has increased from May 2003 by 0.28%.

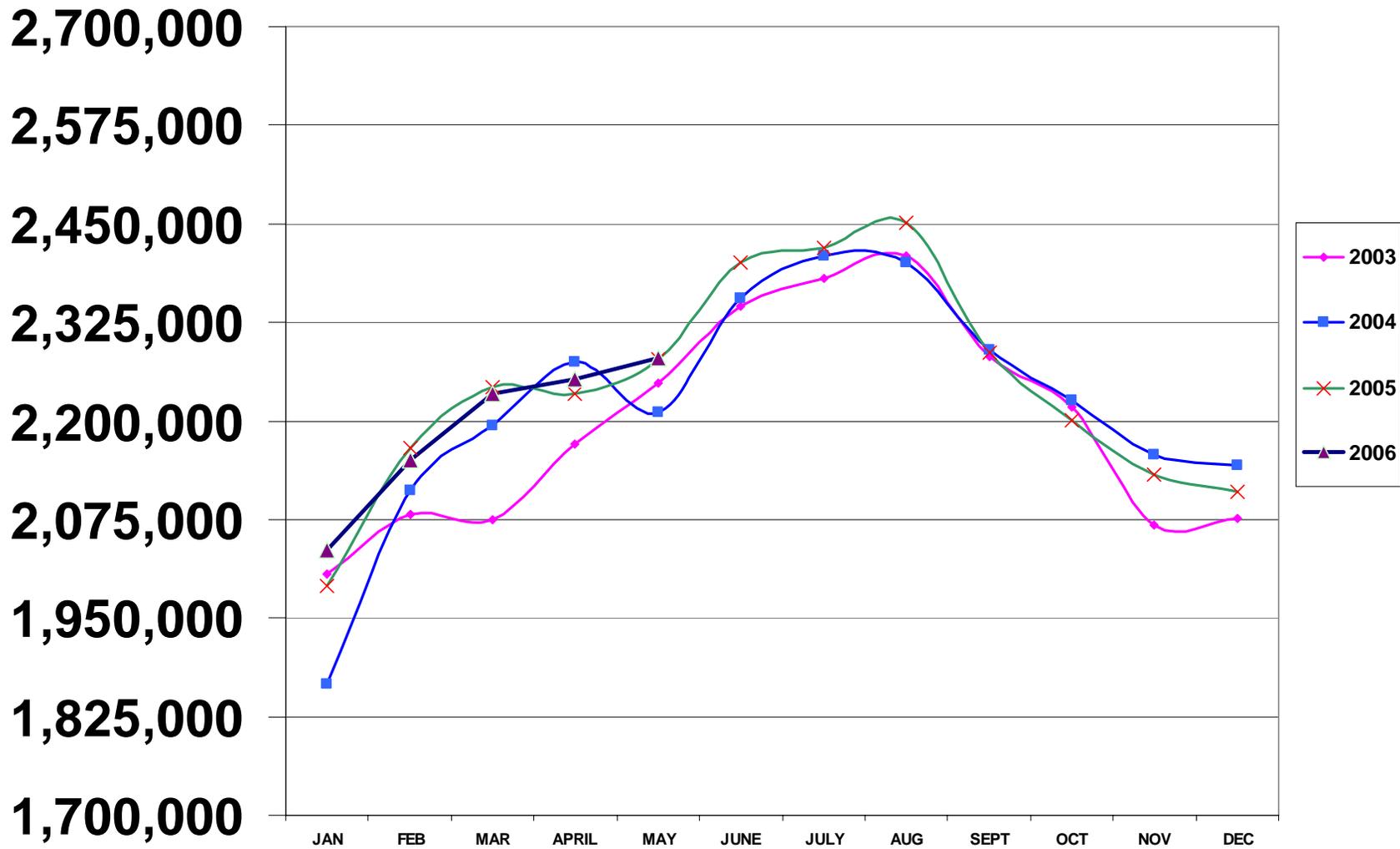
URBAN

The vehicle volume for current month (May) has increased over May 2005 by 0.22%, increased over May 2004 by 3.39% and has increased over May 2003 by 1.60%.

COMBINED

As a whole, according to the data collected and reported, the vehicle volumes for all comparable sites (Urban, Rural) has increased over May 2005 by 0.07%, decreased from May 2004 by 3.04% and has increased over May 2003 by 1.39%.

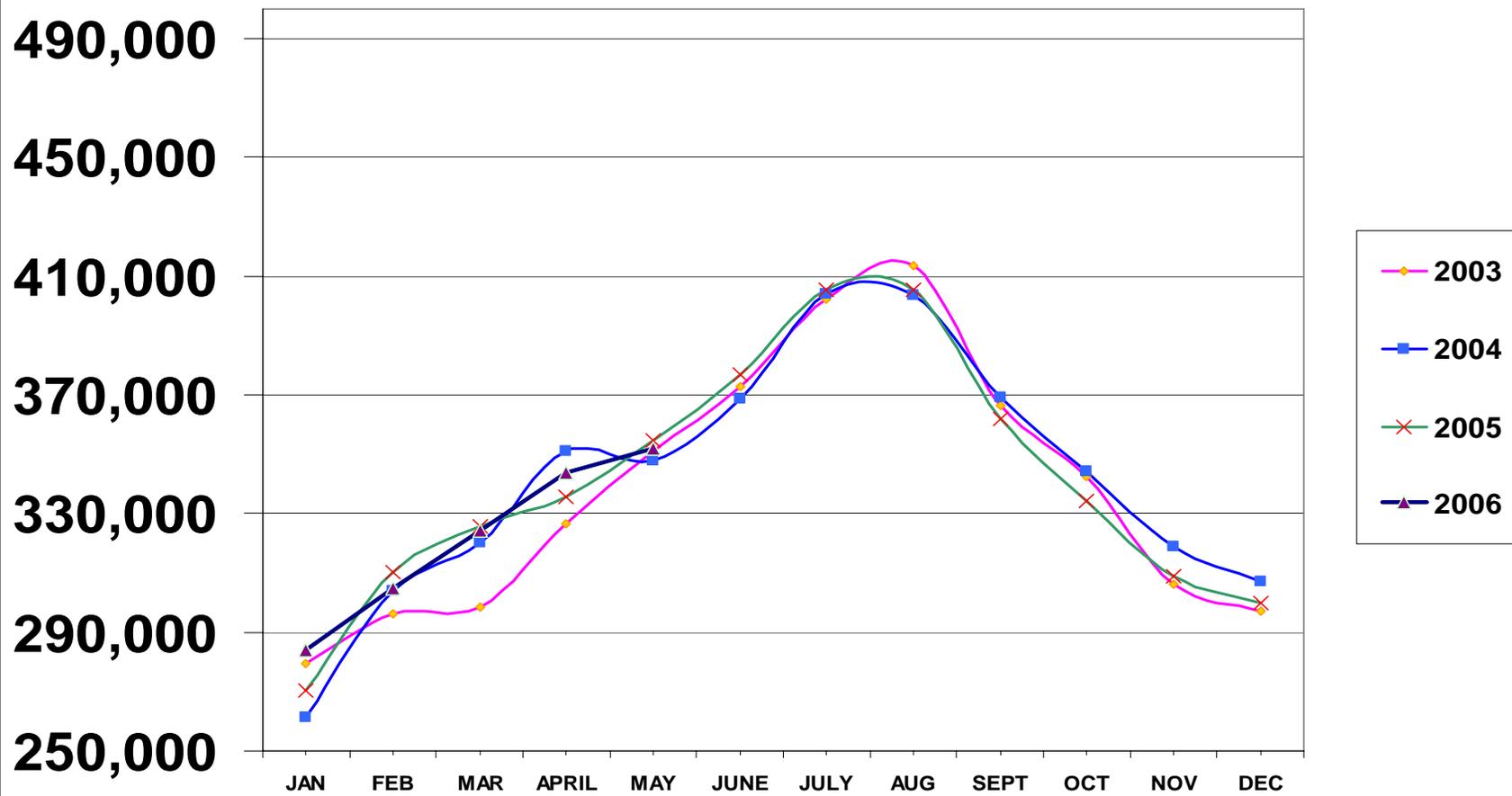
COMPARABLE RURAL\URBAN SITES 2003- 2006



This graph reflects a three-year trend of “Rural/Urban” sites from January to December for the years of 2003, 2004 and 2005. January thru May 2006 is being added to show a four-year trend of data. The data was collected from 56 of the same sites each month showing a combined Average Daily Traffic trend for four consecutive years.

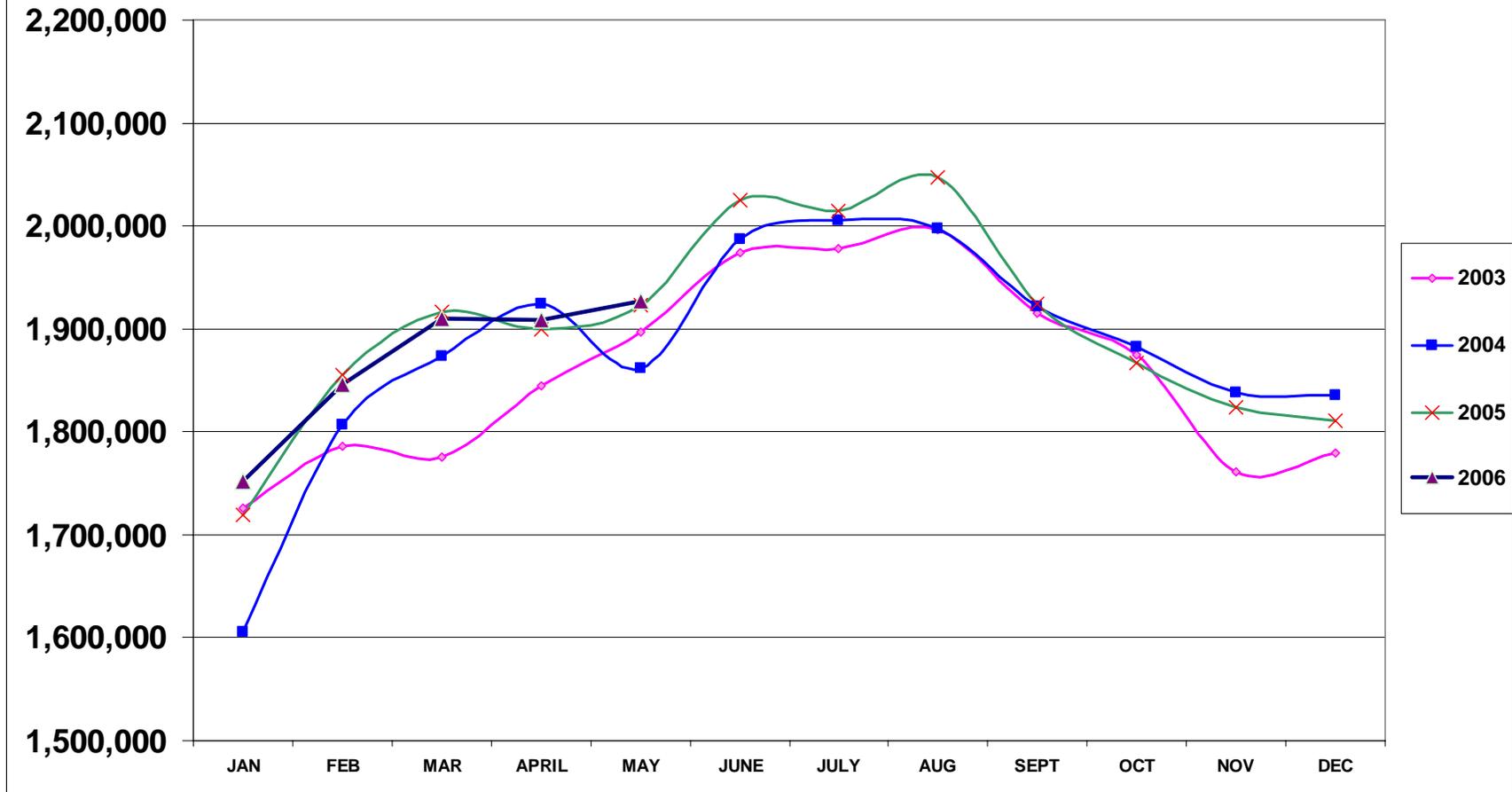
*In January 2004 heavy snowstorm throughout the month causing a decrease in traffic.

COMPARABLE RURAL SITES 2003- 2006



This graph reflects a three-year trend of “Rural” sites from January to December for the years of 2003, 2004, 2005. January thru May 2006 is being added to show a four-year trend of data. The data was collected from 30 of the same sites each month showing a combined Average Daily Traffic trend for four consecutive years.

COMPARABLE URBAN SITES 2003- 2006



This graph reflects a three-year trend of “Urban” sites from January to December for the years of 2003, 2004 and 2005. January thru May 2006 is being added to show a four-year trend of data. The data was collected from 26 of the same sites each month showing a combined Average Daily Traffic trend for four consecutive years.

*In January 2004 heavy snowstorm throughout the month causing a decrease in traffic.

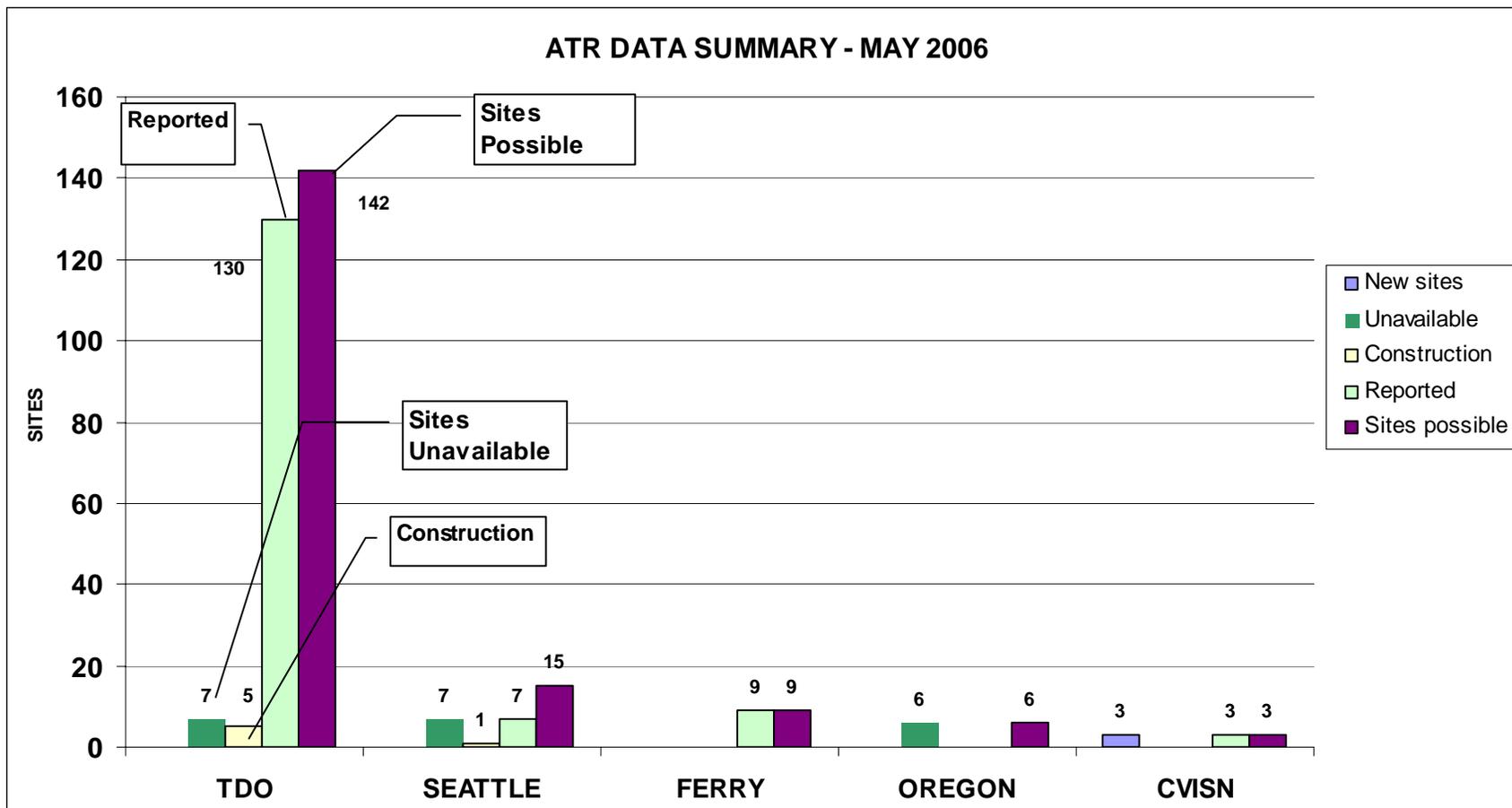
SITE VARIANCE OR ANOMALY SUMMARY FOR MAY

This list is a compilation of automated traffic recorder (ATR) sites with unusual and or abnormal traffic patterns for the month of May 2006 Included within this list are a site description for each automated traffic recorder site, a short statement of the reason for a large variance or anomaly, which occurred, and a conclusion.

- **FY03 - SR 20 Keller Ferry**
 - This is a low volume site. No apparent reason for the decrease in traffic.

- **S818 - SR 12 & SR 410 Naches & Chinook Pass**
 - Construction on SR 123 detouring traffic causing a decrease in traffic..

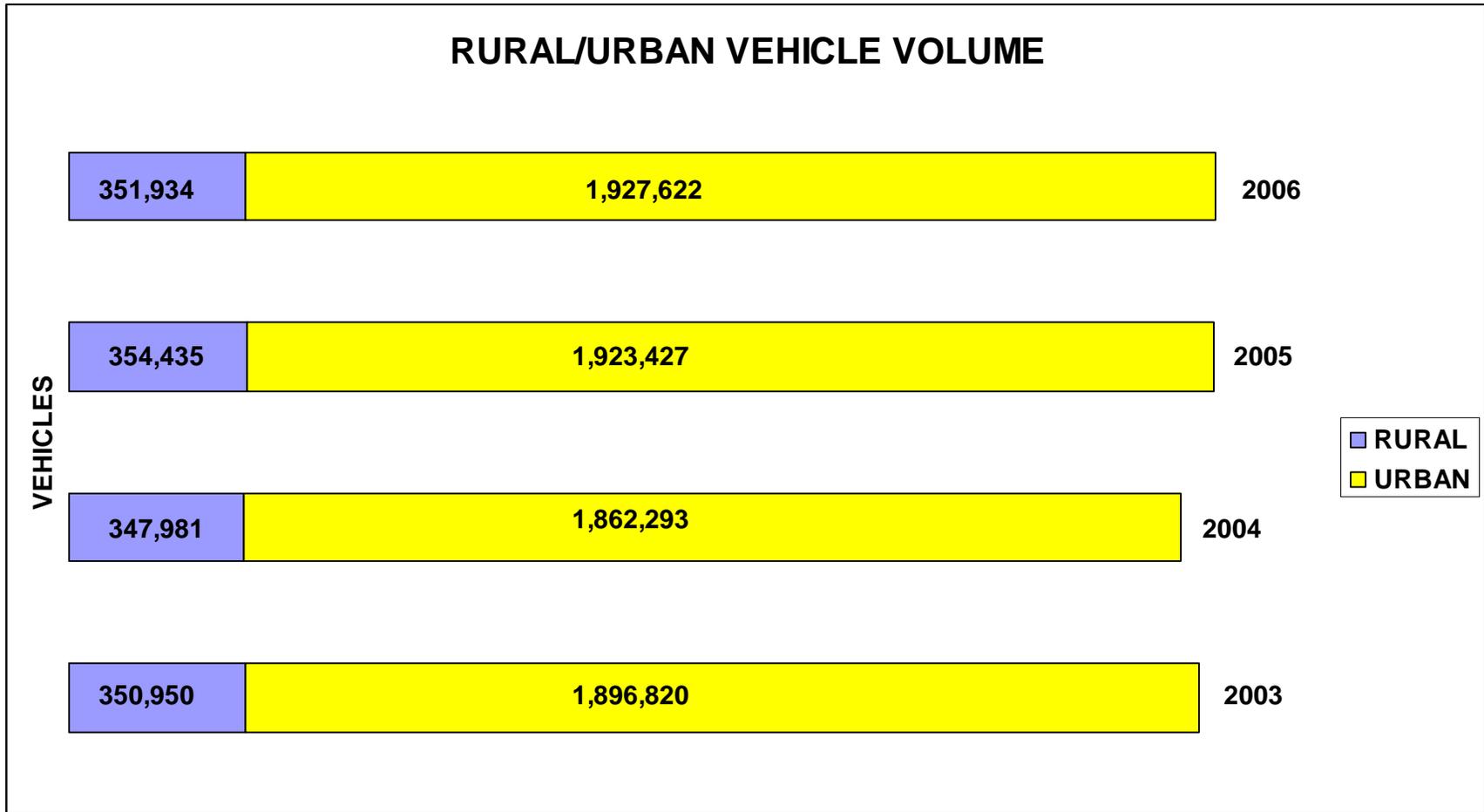
- **S822 - SR 405 N/O SR 908 I/C**
 - Construction on SR 405 detouring traffic causing a decrease in traffic.



The sites that were unavailable due to either equipment failure, trouble extracting data from field, construction and/or data that were not reported are 12 TDO (Transportation Data Office) sites, 8 Seattle sites and 6 Oregon sites.

MAY VOLUME COMPARISON FOR 2003-2006

The volume of vehicles collected and reported for May is:



AUTOMATED TRAFFIC DATA COLLECTION REPORT DETAIL

The monthly Automated Traffic Data Collection Report is designed to provide reliable data to traffic engineers, state planners, traffic operations, other government agencies, regional administrators, the Washington State Patrol, private businesses and the citizens of Washington State. This report is administered and produced by the Transportation Data Office of the Washington State Department of Transportation.

This report is comprised of data collected from automated traffic recorders monitored by the ADC section, NW Regional Traffic Office, Washington State ferries division, and Oregon State when available. The data has been validated and verified for this report; it has been processed through the **TRansportation Information and Planning Support System (TRIPS)**.

The information within this report is:

- Average Daily Traffic (ADT)
- ADT compared to previous months for all comparable sites
- ADT compared to same month previous year
- Same month Percent Increase/Decrease
- Maximum Traffic/Maximum Day (by date, day and hour)
- Last possible month's percent of difference
- Missing data in month reported
- Last year same month

A legend is supplied for each page of listed site data.

The codes are:

- "U" = = unavailable
- "C" = = construction
- "E" = = estimated
- "N" = = new site to system
- "P" = = pass closed
- "I" = = partial estimation
- "Q" = = reported quarterly
- "R" = = site removed

For questions about this report or further site information, please contact the ADC section supervisor at 360-570-2392 or E mail this section at tloadc@wsdot.wa.gov

STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION
 TRIPS SYSTEM
 AUTOMATED DATA COLLECTION REPORT

FOR THE MONTH OF MAY 2006

SR#	LEG	SRMP	B	RURAL RECORDERS		RURAL	AVERAGE DAY		RELATION TO 2005		MAXIMUM TRAFFIC				
				RECR	LOCATION		URBAN	* 2006	* 2005	THIS MONTH %	LAST 05 MONTHS %	VEHICLES DAY	DATE	HOUR	VEHICLES DAY
SR 12	E	185.62		S818	NACHES	R	4,428	4,956	- 10.7	+ 1.9	1,013	MON 29	1- 2P	9,234	MON 29
SR 12		307.90		R008	WALLULA JUNCTION	R	6,681	6,570	+ 1.7	+ 2.9	715	FRI 26	4- 5P	8,137	FRI 26
SR 12		376.98		P05	DAYTON	R	2,320	2,281	+ 1.7	+ 3.1	291	FRI 26	4- 5P	3,382	FRI 26
SR 12		390.66		R067	DODGE JUNCTION	R	2,373	2,304	+ 3.0	+ 4.1	298	FRI 26	3- 4P	3,470	FRI 26
SR 14		100.64		R076	MARYHILL	R	2,164	2,005	+ 7.9	+ 6.6	327	SAT 13	4- 5P	2,580	SAT 13
SR 14		102.27		R077	STONEHENGE	R	1,915	1,874	+ 2.2	+ 3.2	299	MON 29	3- 4P	2,663	MON 29
SR 16		18.65		R088	BURLEY	R	42,688	43,152	- 1.1	- 1.5	3,462	FRI 19	4- 5P	47,784	FRI 19
SR 17		30.37		R020	OTHELLO	R	5,338	5,397	- 1.1	+ 1.7	542	FRI 19	3- 4P	6,560	FRI 26
SR 17		112.25		R100	MANSFIELD/SR17	R	602	593	+ 1.5	+ 1.8	84	MON 29	3- 4P	828	FRI 26
SR 18		27.62		S838	ECHO GLEN	R	20,183	19,610	+ 2.9	+ 4.5	2,245	FRI 5	4- 5P	28,372	FRI 26
SR 20		12.88		FY01	KEYSTONE FERRY	R	983	1,013	- 3.0	- 1.3				1,457	SUN 21
SR 20		20.02		S706	COUPEVILLE	R	8,932	8,825	+ 1.2	+ 2.6	876	THU 4	4- 5P	9,996	FRI 19
SR 20		191.90		R037	WINTHROP	R	2,115	2,229	- 5.1	- 10.9	537	MON 29	1- 2P	4,546	MON 29
SR 20		304.60		S820	REPUBLIC	R	2,515	2,680	- 6.2	- 4.5	274	WED 17	4- 5P	2,951	FRI 19
SR 21		106.65		FY03	KELLER FERRY	R	180	208	- 13.5	- 8.0				333	MON 29
SR 24		43.50		S612	VERNITA (COL.R.BR.)	R	3,547	3,729	- 4.9		412	FRI 26	4- 5P	4,708	FRI 26
SR 25		97.00		P27	BOSSBURG	R	372	381	- 2.4	- 8.4	109	TUE 9	9-10A	494	TUE 9
SR 26		43.06		R066	OTHELLO EAST	R	2,775	2,670	+ 3.9	- 0.9	593	FRI 5	4- 5P	6,034	FRI 5
SR 27		77.30		P30	MICA	R	6,616	6,588	+ 0.4	+ 0.5	671	FRI 12	5- 6P	8,305	SAT 20
SR 82		24.83		R048	E. OF SELAH CRK REST AREA	R	16,679	16,342	+ 2.1	- 0.5	2,016	FRI 26	4- 5P	24,310	FRI 26
SR 82		48.50		P08	BUENA	R	24,148	24,523	- 1.5	+ 0.5	2,604	FRI 26	4- 5P	31,337	FRI 26
SR 82		121.20		P09	PLYMOUTH	R	15,328	15,452	- 0.8	+ 1.9	1,659	MON 29	2- 3P	21,223	FRI 26
SR 82		132.03		R086	UMATILLA	R	16,145	16,515	- 2.2	+ 0.2	1,498	FRI 19	4- 5P	19,352	FRI 12
SR 82		132.60		OR06	OREGON BORDER	R Q		16,295		+ 1.3					

STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION
 TRIPS SYSTEM
 AUTOMATED DATA COLLECTION REPORT

FOR THE MONTH OF MAY 2006

SR#	LEG SRMP	B	RURAL RECORDERS		RURAL URBAN	* 2006	* 2005	RELATION TO 2005		MAXIMUM TRAFFIC						
			REC NUM	LOCATION				AVERAGE DAY	THIS MONTH %	LAST 05 MONTHS %	MAXIMUM HOUR			MAXIMUM DAY		
										VEHICLES	DAY	DATE	HOUR	VEHICLES	DAY	DATE
SR 101	281.15		R023	DISCOVERY BAY	R	11,234	11,539	- 2.6	+ 0.2	1,223	SUN	14	5- 6P	13,783	SUN	14
SR 101	324.80		P18	LILLIWAUP	R	2,967	2,983	- 0.5	+ 0.7	485	MON	29	1- 2P	4,147	MON	29
SR 104	13.92		R085	HOOD CANAL BRIDGE	R	16,885	17,113	- 1.3	- 1.2	1,810	SUN	14	3- 4P	20,737	SUN	14
SR 104	19.48		R095	PORT GAMBLE	R	6,053	6,162	- 1.8	- 0.2	678	SUN	14	3- 4P	7,822	SUN	14
SR 105	31.92		R043	WESTPORT	R	5,663	5,898	- 4.0	- 3.2	640	FRI	26	3- 4P	6,853	FRI	26
SR 123 N	3.88		R040	N/O SR 12 - OHANAPECOSH	R P		428									
SR 125	0.00		OR03	OREGON BORDER	R Q		15,720		+ 1.2							
SR 195	6.01		P13	UNONTOWN	R	4,848	4,829	+ 0.4	+ 0.5	526	FRI	5	5- 6P	6,340	FRI	5
SR 195	22.20		P14	PULLMAN	R	3,144	3,125	+ 0.6	+ 1.9	342	FRI	5	5- 6P	3,977	FRI	26
SR 195	87.70		P15	SPANGLE	R	9,009	9,196	- 2.0	+ 0.1	968	FRI	5	5- 6P	11,854	SAT	6
SR 221	13.10		P17	PROSSER	R	1,923	1,928	- 0.3	+ 3.8	220	WED	3	4- 5P	2,310	THU	25
SR 290	17.66		P33	NEWMAN LAKE	R	8,076	8,113	- 0.5	+ 0.3	969	MON	15	5- 6P	9,325	FRI	26
SR 307	2.31		R096	POULSBO	R	16,124	15,763	+ 2.3	+ 3.1	1,479	TUE	9	4- 5P	18,224	FRI	19
SR 395	27.20		B03	PASCO/SR 395	R	13,452	14,222	- 5.4	- 0.1	1,412	MON	29	3- 4P	18,413	FRI	26
SR 395	36.24		R061	ELTOPIA	R	12,242	12,490	- 2.0	+ 1.0	1,273	MON	29	3- 4P	16,519	FRI	26
SR 395	93.01		P7C	RITZVILLE	R	7,180	7,198	- 0.3	+ 2.4	923	MON	29	3- 4P	10,834	FRI	26
SR 395	190.29		R063	LOON LAKE	R	8,904	9,057	- 1.7	- 0.3	947	FRI	26	5- 6P	11,237	FRI	26
SR 395	235.60		R070	KETTLE FALLS	R	8,117	8,676	- 6.4	- 3.2	808	FRI	19	4- 5P	9,600	FRI	12
SR 395	260.00		P26	ORIENT	R	717	686	+ 4.5		95	SAT	13	6- 7P	903	SAT	13
SR 401	0.15		S841	ASTORIA/MEGLER	R	2,305	2,447	- 5.8	- 2.5	333	MON	29	2- 3P	2,941	FRI	26
SR 410 W	116.26		S818	CHINOOK PASS	R	2,173	2,599	- 16.4	- 8.3	485	MON	29	1- 2P	4,345	MON	29
SR 411	7.97		S819	LEXINGTON	R	4,413	4,468	- 1.2	+ 0.2	451	THU	4	4- 5P	5,081	FRI	5
SR 504	19.43		S840	KIDD VALLEY	R	1,206	1,263	- 4.5	- 12.9	476	SUN	14	2- 3P	3,271	SUN	14
SR 730	0.00		OR05	OREGON BORDER	R Q		2,599		- 1.3							

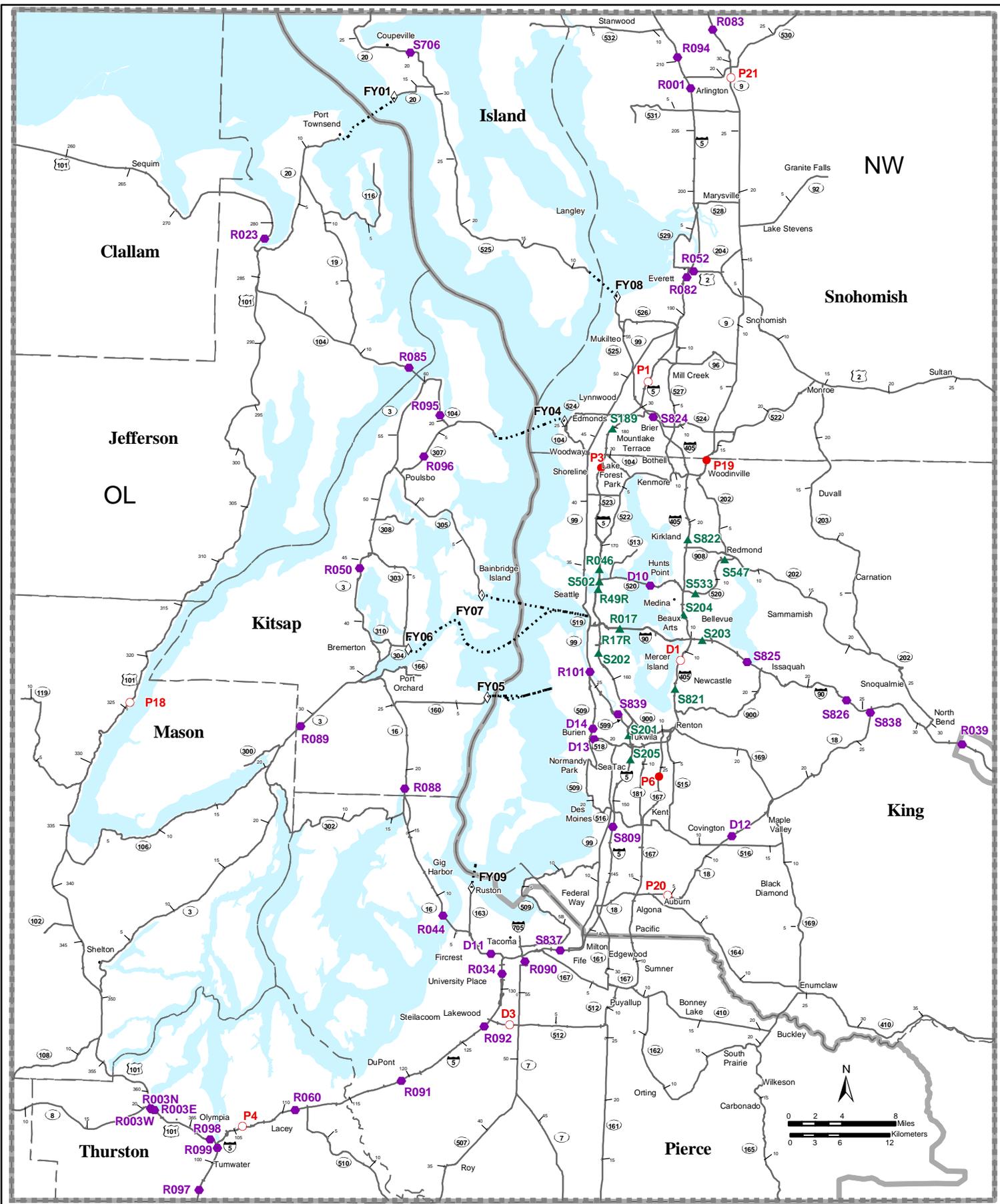
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STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION
T R I P S S Y S T E M
AUTOMATED DATA COLLECTION REPORT

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FOR THE MONTH OF MAY 2006

SR#	LEG	SRMP	B	RURAL RECR NUM	LOCATION	RURAL URBAN	AVERAGE DAY		RELATION TO 2005		MAXIMUM TRAFFIC	
							2006	* 2005	THIS MONTH %	LAST 05 MONTHS %	<<<< MAXIMUM HOUR >>>> VEHICLES DAY DATE HOUR	<< MAXIMUM DAY >> VEHICLES DAY DATE
SR 970	6.85	R057		TEANAWAY	R	4,538	4,684	- 3.1	+ 0.4	929	MON 29 12- 1P	9,311 MON 29



2005 Puget Sound Enlargement

Automated Data Collection Sites

- ◆ Ferry Route
- ▲ Northwest Region Volume Recorder
- Permanent Traffic Recorder (Volume, Speed, Classification)
- WIM/ Vehicle Axle Classification (SHRP/LTTP Research Site)
- WIM/ Vehicle Axle Classification (WIM - Weigh in Motion)

GLOSSARY

URBAN.....Of or relating to city traffic

RURAL.....Of or relating to country traffic

COMBINED.....Total of urban and rural traffic

CVISN.....Commercial Vehicle Information Systems and Network

ATR.....Automated Traffic Recorder

ADC.....Automated Data Collection

ADT.....Average Daily Traffic

TRIPS.....Transportation Information and Planning Support System

SRMP.....State Route Mile Post

RECR NUM.....Automated Traffic Recorder Number

For answers to any questions about this report and or if you wish to have further a detailed report for one of the sites that the Automated Data Collection office (ADC) is currently monitoring, please call Tony Niemi at (360) 570-2392 or Pamela Pope at (360) 570-2396.

To obtain classification, length and or speed information please contact the ADC section of the Transportation Data Office at tdoadc@wsdot.wa.gov